

VIGORANTER V. 1

percentage of the total population of the United States
of the population of the United States of America
and the United States of America

VIGUIER, G.

Yugoslavia (430)

Science

Geometric canons of the Abel equation. p. 145.

GLASNIK MATEMATICKO-FIZICKI I ASTPONOMSKI,

Vol. 4, no. 4, 1949.

East European Accessions List, Library of Congress.

Vol. 1, no. 14, Dec. 1952. UNCLASSIFIED.

Viguier, Gabriel. L'équation de Schrödinger pour un oscillateur harmonique linéaire. Bul. Inst. Politech. Iasi 4 (1949), 226-232. (1 insert)

The article deals with the relationship between the Schroedinger equation for the harmonic oscillator and the Riccati differential equations. In particular, it shows that by suitable transformation the Schroedinger equation for the harmonic oscillator can be transformed into the Riccati type differential equation, and an analogue is found in this context for the quantization in the Schroedinger equation. M. J. Moravcsik (Livermore, Calif.)

MUI

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8/12/49

VIGUIER, G.

Yugoslavia

Science

Effusion of noncompressible viscous fluid from a thin inclined tube. p. 202. Dispersion by whirling, noncompressible viscous fluid in a two dimensional movement. p. 209. GLASNIK MATEMATICKO-FIZICKI I ASTRONOMSKI, Vol. 3, no. 5, 1948.

East European Accessions List, Library of Congress, Vol. 1, no. 14, Dec. 1952. UNCLASSIFIED

VIGUIER, G.

Yugoslavia (430)

Science

New equations of the action of viscous fluids.
p. 193. GLASNIK MATEMATICKO-FIZICKI I ASTRONOMSKI,
Vol 4, no. 5, 1949.

East European Accessions List, Library of Congress,
Vol. 1, no. 14, Dec. 1952. UNCLASSIFIED.

*Applied Mechanics
Review*

Incompressible Flow: Laminar; Viscous

728. Gabriel Vigier, Flow of a viscous incompressible fluid
in a thin inclined tube (in French, with English summary),
Hervé et al. *Rev. Stat. Phys. Astr.* 3, 289-292 (1968).

1968

*Applied Aerodynamics
Review*

Incompressible Flow: Laminar, Viscous

727. Gabriel Vigier, Vertical distribution of a viscous incompressible two-dimensional flow (in French, with Croatian summary), Hrvatsko Prirod. Dr. Glasnik, Mat. Fiz. Astr. 3, 299-312 (1948).

1960

VIGUIER, G.

Distr: 4E3a(b)

Equations of Motion of Viscous Fluids With a High Velocity Gradient

7462:

Viguiet, G. Les équations du mouvement des fluides visqueux dans le cas de gradients de vitesses élevés. Bul. Inst. Politech. Iasi 4 (1949), 203-221. (1 insert)

The author investigates a number of special viscous flows by means of the equations of M. Girault, derived on the hypothesis that the viscous stresses contain not only terms of the first degree in the deformation tensor, but also those of the third degree. From the numerical results shown, it appears that the effects on the third order terms are considerable and, if true, should be observed.

Y. H. Kuo (Peking)

2
1-F/W

MAVLYUTOVA, Ye.G.; VIGULYAROV, G.N.; IMAYEV, M.G.

Vapor-phase catalytic oxidation of crude petroleum products to
phthalic anhydride in a fluid-catalyst bed. Neftekhimiya 2
no.3:362-367 My-Je '62. (MIRA 15:8)

1. Nauchno-issledovatel'skiy institut neftekhimicheskikh
proizvodstv, Ufa.
(Petroleum products) (Phthalic anhydride)

VIGURA, G. T.

USSR/ Miscellaneous - Grinding

Card : 1/1

Authors : Vigura, G. T. and Sil'vestrov, V. D.

Title : Replacement of diamond with hard-alloy compensators

Periodical : Stan. 1 instr, 3, 30 - 31, Mar 1954

Abstract : The substitution of diamond compensators by others of hard alloy is discussed. It was further pointed out that such substitution received full approval only after long experimentation, and that these compensators are successfully used in the mass production of gear wheels. Diagrams.

Institution :

Submitted :

FIGURA, G.T.; SIL'VESTROV, V.D.

Replacing diamond compensators with hard alloy ones. Stan.1 instr.
25 no.3:30-31 Mr '54. (MLRA 7:5)
(Grinding and polishing)

VIGURA, G.T.; IVANOV, S.A.; SIL'VESTROV, V.D.

Straightening of grinding wheels without diamonds in thread grinding and
centerless grinding. Stan.1 instr. 24 no.7:28-30 J1 '53. (MLBA 6:8)
(Grinding and polishing)

S/078/63/008/001/024/026
B117/B108

AUTHORS: Palkin, A. P., Vigutova, T. N., Glotova, L. I.

TITLE: Melting-point diagram of the system InCl_3 - TlCl

PERIODICAL: Zhurnal neorganicheskoy khimii, v. 8, no. 1, 1963, 253-254

TEXT: Highly hygroscopic indium chloride (melting point 580°C) was produced by chlorination of metallic indium and subsequent topping in a chlorine flow. Thallium chloride (melting point 430°C) was precipitated from thallium nitrate by means of hydrochloric acid, and then recrystallized from a hot aqueous solution. The system InCl_3 - TlCl was studied by thermal differential analysis with simultaneous visual observation of the crystal formation. Two compounds were found: the incongruently melting InCl_3 · 2TlCl with melting point 350°C and polymorphic conversion at 320°C , and the congruently melting (480°C) InCl_3 · 3TlCl . The system showed two eutectic points at 260 and 390°C corresponding to the compositions with 48 and 6.4 mole% InCl_3 , respectively. There are 1 figure and 1 table. ✓

Card 1/2

Melting-point diagram of the ...

S/078/63/008/001/024/026
B117/B108

ASSOCIATION: Voronezhskiy gosudarstvennyy universitet, Kafedra
neorganicheskoy khimii (Voronezh State University,
Department of Inorganic Chemistry)

SUBMITTED: May 7, 1962

Card 2/2

PALKIN, A.P.; OSTRIKOVA, N.V.; VIGUTOVA, T.N.

Interaction in the system InCl_3 - In . Zhur. neorg. khim. 8
no.11:2566-2568 N '63. (MIRA 17:1)

1. Voronezhskiy gosudarstvennyy universitet, kafedra
neorganicheskoy khimii.

UGAY, Ya.A.; VIGUTOVA, T.N.

New intermetallic semiconductor compounds. Fiz.tver.tela 1
no.12:1786-1788 D '59. (MIRA 13:5)

1. Voronezhskiy gosudarstvennyy universitet.
(Semiconductors)

PALKIN, A.P.; VIGUTOVA, T.N.; GLOTOVA, L.I.

Melting diagram of the system $\text{InCl}_3 - \text{TlCl}$. Zhur.neorg.khim.
8 no.1:253-254 Ja '63. (MIRA 16:5)

1. Voronezhskiy gosudarstvennyy universitet, kafedra
neorganicheskoy khimii.
(Indium chloride) (Thallium chloride) (Melting points)

PALKIN, A.P. [deceased]; VIGUTOVA, T.N.

Ternary reciprocal displacement system $\text{InCl}_3 + 3\text{Tl} \rightleftharpoons 3\text{TlCl} - \text{IL}$.
Zhur. neorg. khim. 10 no.1:194-199 Ja '65. (MIRA 12:11)

1. Voronezhskiy gosudarstvennyy universitet, kafedra neorganicheskoy khimii. Submitted July 19, 1965.

✓ 105. The paper-chromatographic separation of uranium (VI). G. Almássi and M. Vígvári (*Magyar Kém. Foly.*, 1955, 61 [4], 109-111). By varying the pH of the solvent, optimum conditions were found for the ascending paper-chromatographic separation of $\pm 3 \mu\text{g}$ of U^{VI} . The solvent is ether-ethanol-conc. HNO_3 (70:23:7), giving an R_f value of 0.84 on Macherey Nagel 214 paper pre-saturated with vapour. Ferric iron gives R_f 0.14, other metals even lower values. The spot is detected with 5 per cent. aq. $\text{K}_4\text{Fe}(\text{CN})_6$. By comparing the size and the colour of the spot with a standard sample, the content of U^{VI} ($\pm 5 \mu\text{g}$ in 0.1 ml) can be estimated with ± 30 per cent. accuracy. If Fe^{III} is absent, the R_f is < 0.84 , thus $100 \mu\text{g}$ of Fe^{III} are added to the spot on the paper, if necessary. A slightly modified, simple and rapid (10 to 15 min.) qual. method is also described for quantities of $\pm 1 \mu\text{g}$. A. G. PETO

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Kosuth Univ., Debrecen, Hungary

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001859720010-8

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001859720010-8"

VIGVARI, M.

43. Research on the chemical processing of Hungarian uranium ores.
E. Szabo, M. Fodor, P. Foldes, F. Molnar, L. Stocker, M. Vigvari.
Magyar Kemikusok Lapja, Vol. 13, 1958, No. 5--6, pp. 210--219, 19 figs.
1 tab.

FOR ABSTRACT-SEE CARD FOR F. MOLNAR.

HUNGARY/Analytical Chemistry - Analysis of Inorganic Substances.

E-2

Abs Jour: Referat Zhur-Khimiya, No 5, 1958, 14179.

Author : Almassy Gy., Vigvari M.

Inst : Hungarian Academy of Sciences.

Title : Separation of Uranium (VI) by Paper Chromatography.

Orig Pub: Acta chim. Acad. sci. hung., 1957, 11, No 1-2, 1-6.

Abstract: For the separation of $U(6+)$ from Fe^{3+} , Mg^{2+} , Ca^{2+} , Ni^{2+} , Co^{2+} , Zn^{2+} , Mn^{2+} , Al^{3+} , $V(5+)$, $Mo(6+)$, Pb^{2+} , Cu^{2+} and Th^{4+} by the method of paper chromatography in ascending flow, it is best to use solvents containing HNO_3 and ethyl ether (use is made of specific solubility of the nitrate of $U(6+)$ from Fe^{3+} and other elements is observed with a solvent of the following composition: 70 ml ethyl ether, 23 ml C_2H_5OH and 7 ml concentrated HNO_3 . Rf of $U(6+)$ same 0.84, of Fe^{3+} zone 0.14; Rf of the other enumerated cations is still lower.

Card : 1/1

VIGVARI, Mihaly; BALAZS, Adam; DUNAY, Sandor

Calculating methods for the continuous countercurrent ion
exchange applied in the uranium industry. Magy kem lap 20
no.2:96-100 F '65.

VIGYÁZÓ, (Mrs) George

SURNAME (in caps); Given Names

Country: Hungary

Academic Degrees: [not given]

Affiliation: [not given]

Source: Budapest, Magyar Pszichológiai Szemle, Vol 18, No 3, 1961,
pp 379-380.

Data: [Bookreview] The World of our Senses.
Author: AKOS, Károly, Dr
Publisher: Gondolat Kiadó, Budapest, 1960

VIGYAZO, Gyorgyne, dr.

"The world of our senses" by [Dr] Akos Karoly. Reviewed by Mrs. [Dr]
Gyorgy Vigyazo. Magyar pszichol szemle 18 no.3:379-380 '61.

V19704, 97

FIGURE, G2.; FIGURE, I.

"New Highly Efficient Methods of Pest Predication", 1. /60, (1. 57.1.1.
PL. EGI. GAZDASAG, Vol. 7, No. 10, October 1954, Budapest, Hungary)

CG: Monthly List of East European Accessions (EIA), IC, Vol. 1, No. 1,
March 1955, Encl.

VIGYAZO, Gyorgy; SEBOK, Antal

Fluidization. Musz elet 18 no.13:12 20 Je '63.

FARKAS, Andor, dr.; VIGYAZO, Gyorgy, dr.

Treatment of vascular disorders of the brain with novocaine - redergam.
Orv. hetil. 103 no.5:214-218 F '62.

1. Fovarosí Arpad Korhaz, Belosztaly.

(CEREBROVASCULAR DISORDERS ther)
(PROCAINE therapy) (ERGOT ALKALOIDS therapy)

VIGYAZAS, 9X-

VIGYAZAS, 9X-; UNCL. I, 1.

"Remarks at the Meeting on Power Economy in the Sugar Industry", . . . 65,
(HUNGARIAN EMERGENCY, Vol. 7, No. 10, October 1954, Budapest, Hungary.)

EO: Monthly List of East European Accessions (FEAL), IC, Vol. 7, No. 3,
March 1955, Uncl.

VICIAZO, G.

Hungary

With L. Kocsanyi "Neue Methoden der Staubabscheidung mit hohem Wirkungsgrad"
Magyar Energiagazdasag, Hung. 1954.

SO: Energie Technik, June 1955, Unclas.

V194AZC 4.

/98. Investigations on the fermentative ability of various yeast strains — I. Vinyázó. (Fehértesi Ipar Vol. 9, 1955, No. 5, pp. 132-137, 6 figs., 2 tabs.) HD

Comparative tests conducted with various yeast strains under plant conditions have proved that the differences in respect to alcohol yield found between the various strains and varieties of examined yeasts were not due in general to the degree of fermentation of the sugar nor to the difference in the propagation ability of the yeasts. Distillery yeasts are the most suitable for the production of spirits from the viewpoint of both rate of fermentation and alcohol yield. Brewery yeast suggested in literature for its ability to ferment raffinose is unsuitable for producing alcohol from molasses since its ability to ferment fructose is limited. Wine yeasts generally yield less alcohol and their rate of fermentation is lower than that of distillery yeasts.

VIGYAZO, L.

Simek, F.; Vigyazo, L. "Examination of the Molasses of Domestic Sugar Factories" p. 304
(Elelmazesi Ipar, Vol. 7, No. 10, October, 1953, Budapest)

East European Vol. 3, No. 3
SO: Monthly List of ~~Accessions~~ Accessions / Library of Congress, March ¹⁹⁵⁴~~1953~~, Uncl.

40. Increasing the ergosterol content of baker's yeast - Sutoipari eleszto ergoszterintartalmanak novelese - by L. VAGYAZO. (Food Industry - Elemszesi Ipar - Vol. V, No. 5, pp. 151-155, May 1951, 2 figs.)

The Hungarian pharmaceutical industry requires ever increasing quantities of yeast from the distilleries for the production of ergosterol. Yeast produced at present contains small amounts of ergosterol (0.15 to 0.30 per cent) and is, therefore, an expensive initial substance. For increasing the ergosterol content, three series of experiments were made in order to investigate the effect of changes in the composition of nutrients, of variations in pH and of length and vigour of aeration on the ergosterol content of the yeast produced. It was established that in an alkaline medium, in a relatively highly concentrated solution wash, and in the presence of alkali phosphates, the ergosterol content of baker's yeast was increased three-fold provided that a vigorous aeration was applied for 25 to 30 hours subsequently to the alcoholic fermentation. In laboratory experiments the amount of yeast produced under these conditions increased by 55 per cent as compared to the normal yield. With tests performed on a small plant scale in a 50 l fermenting tank, the yeast increase amounted to 100 per cent and the ergosterol content increased to twice its value.

VIGYAZO, L.

Hungarian Technical Abst.
Vol. 5 No. 4 1953

51. Fermentation of the carbohydrates in the roots of taraxacum kok-saghyz — *Kokszagiz-gyökér szénhidrátjainak élesztéssel* — L. Vigyázó. (Food Industry — *Élelmiségi Ipar* — Vol. 6, 1952, No. 10, pp. 298–302, 4 figs., 4 tabs.)

The carbohydrates, insulin and its decomposition products (inulides, fructose) are obtained from roots by means of diffusion or steaming. Accordingly, the fermentation of diffusion liquors and liquors containing carbohydrates obtained by steaming must be treated as separate problems. The carbohydrate content of the liquors is 4 to 6 per cent, expressed in fructose. The inulin contained in the liquors must be subjected to acid hydrolysis since inulin and inulides with a higher degree of polymerization cannot be directly fermented. Hydrolysis was effected by a two-hour treatment at an atmospheric pressure and at pH 3.5 with sulphuric acid. Hydrolysis is not required in the case of steam treated liquors since the nonfermentable carbohydrates are decomposed by the organic acids in the liquor into fermentable inulides during one hour steaming at $\frac{1}{2}$ at gauge pressure. It is advisable to carry out fermentation at pH 4. The addition of nutritive salts is unnecessary. The yield of the alcohol thus obtained is 58 per cent for reducing substances and 61 per cent for fermentable sugars.

L. Vigyázó

762 Vol. 4

HTA

663 14 048 1 577 16A 401

40. Increasing the ergosterol content of baker's yeast —
Saccipini elazda ergosterinatalmadnak növelése — by I.
 Viggay. (Food Industry — *Élelmiszeripar* — Vol. V, No. 6,
 pp. 141—143, May 1957, 2 figs.)

The Hungarian pharmaceutical industry requires ever increasing quantities of yeast from the distilleries for the production of ergosterol. Yeast produced at present contains small amounts of ergosterol (0.14 to 0.10 per cent) and is, therefore, an expensive initial substance. For increasing the ergosterol content, three series of experiments were made in order to investigate the effect of changes in the composition of nutrients, of variations in pH and of length and vigour of aeration on the ergosterol content of the yeast produced. It was established that in an alkaline medium, in a relatively highly concentrated molasses mash, and in the presence of alkali phosphates, the ergosterol content of baker's yeast was increased threefold provided that a vigorous aeration was

applied for 24 to 30 hours subsequently to the alcoholic fermentation. In laboratory experiments the amount of yeast produced under these conditions increased by 44 per cent as compared to the normal yield. With tests performed on a small plant scale in a 50 l fermenting tank, the yeast increase amounted to 100 per cent and the ergosterol content increased to twice its value.

VIGYAZO, Vamos L.

VIGYAZO-VAMOS, L. - Elelmezsi Ipar - Vol. 9, no. 5, May 1955.

Research into the fermentative capacity of species of Saccharomyces. p. 132.

SO: Monthly list of East European Accessions, (EEAL), IC, Vol. 4, No. 9, Sept. 1955
Uncl.

VIGYAZO-VANOS, I.

"Capacity of yeast to ferment dextrin." Elelmezesi Ipar, Budapest, Vol. 8, no. 4, Apr. 1954, p. 118.

SO: Eastern European Accessions List, Vol. 3, No. 11, Nov. 1954, L.C.

VIHAIA, Zdenek, Doc. Dr.; VYBORNY, Josef, MUDr.; NAJMANIK, Jan, MUDr.;
~~JENICEK~~, Otakar, MUDr.

Fractures of the upper end of the femur. Acta chir. orthop. traum.
cech. 25 no.3:191-203 May 58.

1. Chirurgická klinika fakulty dětského lékařství v Praze, přednosta
doc. Dr. Z. Vahala.

(FEMUR NECK, fract.
surg., technics & statist. (Cz))

VIHAN, J.. inz.

First experiences in using gun-sprayed concrete in Czechoslovakia.
1st stavby 12 no.61256-240 Jo '64.

1. Stavby silnic a zeleznic National Enterprise, Prague.

VIHAN, Josef, inz.

Experience with new methods of railroad tunnel reconstruction in
Czechoslovakia. Inz stavby 12 no.5:196-202 My '64.

1. Stavby silnic a zeleznic National Enterprise, Prague.

VIHAR, Bela

"On the wings of Icarus" by Laszlo Petur. Reviewed by Bela Vihar. Elet tud 18 no.3:78 ja '63.

VIHAR, Bela

A letter on the question of death. Elet tud 15 no.38:1195-1198
18 S '60.

VIHER, L.

Condition of modern construction of roads in France. p. 350.

PUT I SAOBRAĆAJ. (Društvo za puteve Srbije)
Beograd, Yugoslavia. Vol. 4, no. 7/10, July/Oct. 1958.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 3, Aug. 1959.

Uncl.

VIHALEM, A. I.

Grunthal's Meri (The Sea); a book review. p.73

TULIMULD (Eesti PEN-klubi, Valismaine Eesti Kirjanduse Liit,
Ulemasilmne Eesti Kirjanduse Selts) Lund. Estonia.

Monthly List of East European Accessions (EEAI) LC, Vol.8, no.12, Dec. 1959

Uncl.

VTIAN, J. ; TISCHER, J.

Testing the expanding concrete while concreting a tunnel vault. p. 12.

ZELEZNICNI DOPRAVA A TECHNIKA. (Ministerstvo dopravy) Praha, Czechoslovakia.
Vol. 7, no. 1, 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 11,
November 1959.

Uncl.

VIHAN, J.

Repair of a stone railroad viaduct.

p. 514 (Inzenyrske Stavby) Vol. 5, no. 10, Oct. 1957, Praha, Czechoslovakia

SC: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, Jan. 1958

VIHAN, R

26

CZECHOSLOVAKIA

TESAR, J., Docent Dr; PODDANY, V; NADVORNIK, F; PECH, Z;
REHANEK, L; SOBOTKA, J; VIHAN, R.

1. Chair of the Judicial Faculty of General Medicine
KU (Katedra soudního lékařství fakulty všeobecného
lékařství KU), Prague (for Tesar); 2. Regiona l
Hygienic-epidemiological Station of the
Middle Bohemian Region, Microbiological
Ward (Krajská hygienicko-epidemiologická
stanice Středočeského kraje, mikrobiologické
oddělení), Prague - (for all)

Prague, Rozhledy v tuberkulóze, No 3, 1963, pp 153-156

"Undiagnosed Cases of Tuberculosis in Sudden and
Forcible Deaths."

VIHAR, Bela

"Following the path of Petofi" by Istvan Bekes. Reviewed by
Bela Vihar. Elet tud 15 no.31:970 31 J1 '60.

VIHAR, Bela

"In the workshop of lyric poetry" by Saladar Komlos. Reviewed by
Bela Vihar. Élet tud 16 no.35:1094 27 Ag '61.

Vilnius
VIIDING H.

Distribution and petrography of the erratic boulders in Estonian SSR.

p. 285 (Mokeliniai Franesimai) Vol. 4, 1957, Vilnius, Lithuania

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

RÜNK, O.; TARCO, E.; TIHASE, K.; ~~VIIL, E.~~ retsenzent; PORK, O.,
retsenzent; KORMA, A., red.; SEPP, A., tekhn. red.

[Elements of mechanical drawing and sketching] Joonestamise
ja joonistamise põhikursus. Tallinn, Eesti Riiklik Kirjastus,
1963. 399 p. (MIRA 16:12)

(Mechanical drawing)

KVASHA, L.G.; VIİK, Kh.B.

Some additional data on the Staroye Boronkino carbonaceous
chondrite. Meteoritika no.24:204-218 '64. (MIRA 17:5)

1. Komitet po meteoritam AN SSSR (for Kvasha).
2. Geologicheskaya sluzhby Finlyandii, Otaniyemi (for Viik).

VIIN, L

Is sheep breeding profitable? p. 410

GAZ, WODA I TECHNIKA SANITARNA (Stowarzyszenie Naukowo-Techniczne Inzynierow I Technikow Sanitarnych Ogrzewnictwa i Garownictwa) Warszawa, Poland
Vol.13, no.9, Sept. 1958

Monthly list of East European Accession (EEAI) LC, Vol. 9, no.2, Feb. 1960

Uncl.

VIIDI", P.

An interesting new edition of "yellowed pages"; a book review. p. 1426

LOOMING. (EN KIDJANIK. IIIT) Tallinn, Estonia
No. 10, Oct. 1950

Monthly List of East European Accessions (EAL) 10, Vol. 8, No. 12, Dec. 1950
Uncl.

VIIGAND, H.

Preparing seed potatoes. p. 114.

SOTSIALISTLIK POLLUMAJANDUS. (Pollumajanduse Ministeerium) Tallinn,
Estonia. Vol. 13, no. 3, March 1958.

Monthly List of East European Accessions (EEAI) LC, VOL. 8, No. 11,
November 1959.

Uncl.

Country : USSR

M

Category: Cultivated Plants. Potatoes. Vegetables. Melons.

Abstr Jour: RZhBiol., No 11, 1958, No 48924

Author : Villeberg, K.

Inst : Estonian Agricultural Academy.

Title : On the Effect of the Root Bed on the Seed Qualities
of the Potato.

Orig Pub: Sb. nauchn. tr. Est. s.-kh. akad., 1957, 3, 46-53.

Abstract: The 1953-1956 experiments of the "Rendi" Experimental Training Farm of the Estonian Agricultural Academy on the Yggovva kollane variety, showed that a decrease in the root bed to 65 x 16.5 cm promotes an increase of 28-35% in the yield, but reduces the average weight of the tubers from 90 to 80-70 g while improving the seed qualities of the tubers.

Card : 1/1

M-54

Country : USSR

M

Category: Cultivated Plants. Potatoes. Vegetables. Melons

Abs Jour: RZhBiol., N. 11, 1958, No 48923

Author : Viileberg, K.

Inst : Estonian Agricultural Academy

Title : The Effect of Peat Soils on the Seed Qualities of the Potato.

Orig Pub: Sb. nauchn. tr. Est. s.-kh. akad., 1957, 3, 54-62

Abstract: A worsening in the seed qualities of the potato was observed on the experimental bases of the Estonian Scientific Research Institute of Agriculture and Melioration in Toorn during 1952-1956. This process took place under conditions where there was a slight drying of the soils with insufficient application of phosphorus and potassium fertilizers.

Card : 1/2

M-53

Country : USSR

M

Category: Cultivated Plants. Potatoes. Vegetables. Melons.

Us Jour: RZhDiel., No 11, 1958, No 48923

On peat soils, it is recommended that 90 kg/ha of P_2O_5 and 180 kg/ha of K_2O be placed, under the condition that the water table is at a depth of 70-80 cm.

Card : 2/2

ARUKÜLA, Heino, kand. tekhn. nauk; KASESALU, Helmut, gor. inzh.;
KUUSIK, Jaan, gor. inzh.; PAALME, Guido, gor. inzh.,
retsenzent; ~~VIIHUR, Väino~~, gor. inzh., retsenzent;
REHEMAA, H., red.; PEDARI, J., tekhn.red.

[Mining engineering] Kaevuritööd. Tallinn, Eesti Riiklik
Kirjastus, 1963. 393 p. (MIRA 16:12)
(Mining engineering)

AAMISEPP, I.; EICHENBAUM, E.; HALLER, E.; LAARLI, K.; KIIK, H.;
KIVI, V.; KOTKAS, H.; KORJUS, H.; LEIVATEGIJA, L.; LIIIV, J.;
LÄNTS, L.; MÄLKSCO, A.; PEDAJA, V.; POLNA, R.; RAN DALU, I.;
RUUGE, J.; SEKSEL, H.; TOOMRE, R.; TUPITS, H.; TUUL, S.;
TÖNISSON, H.; TÄÄGER, A.; VIIRAND, M.; VAHENÕMM, K.; ARAK, A.,
red.

[Plant breeding] Taimekasvatust. Tallinn, Eesti Raamat, 1964.
813 p. [In Estonian] (MIRA 18:1)

L: 63418-65

ACCESSION NR: AP5023239

RU/0012/64/000/005/0757/0759

AUTHOR: Vilescu, A. (Doctor Major)

SOURCE: Revista sanitatei militare. Bucuresti. 1964. - 34

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CIA-RDP86-00513R001859720010-8"

PANTIC, Dragan, ing. (Beograd, Koce Kapetana 46); LOLIC, Slobodan, ing.
.. (Beograd); VIJATOV, Slavko, ing. (Beograd)

Generator of continually changing phase lagging from 0° to 360° .
Tehnika Jug 17 no.4:720-726 Ap '62.

9,2560 (1040, 1159, 1154)

3h786
Y/001/62/000/004/002/002
D261/D303

AUTHORS: Pantić, Dragan, Engineer; Lolić, Slobodan, Technician; and
Vijatov, Slavko, Technician (Belgrade)

TITLE: Generator of $0-360^\circ$ continually variable phase shift

PERIODICAL: Tehnika, no. 4, 1962, 720-726

TEXT: The article describes a phase shift generator in which linear potentiometers are used for continuous phase shifting of sinusoidal 50-c voltage. The H2 potentiometer of the OMEGA Firm and the ST,901 CL 100P, PU of the Beckman Firm are examples of potentiometers used for this purpose. To obtain the desired proportionality between the phase shift and the rotation of the mechanical shaft, a transistorized instrument, whose diagram is shown in Fig. 7 was built. The phase rotor OF gives a 90° shifted current in relation to the current passing to the emitter follower EF1 producing on emitter followers EF1 and EF2 a tension of 0° and 90° respectively. At the collectors EF1 and EF2, the tension is shifted for a further 180° producing on emitter followers EF3 and EF4 a tension of

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Y/CO1/62/000/CO4/CO2/CO2
D261/D303Generator of $0-360^\circ$...

180° and 270° respectively. From EF1, EF2, EF3 and EF4, the tension of 90° , 180° , 270° and 360° phase is passed to the potentiometer with a 360° continuous winding. By the rotation of the potentiometer shaft, a tension is obtained on the slider, whose phase relation depends on the angle position of the potentiometer slider, but whose amplitude is changeable. To reduce these amplitude changes, the potentiometer slider KP1 is connected to KSI with a high input impedance. The signal passes from KSI to the amplitude compensator AK, whose collector circuit contains the potentiometer KP2 with a 360° continuous winding. The transistor P9 represents an emitter follower with a high input impedance. Transistors T10, T11 and T12 represent an amplifier, whose selectivity is achieved with negative reaction from the output of T12 to input of T10 by means of a double filter T with RC elements, and transistor T13 ensures a low output impedance. The phase shift generator has on the front panel a phase shift button, connections for the input, output and for a 9-v power supply. The $0-360^\circ$ calibrated phase shift button is connected to the potentiometer shaft KP1 and KP2 thus ensuring the desired linearity. The generator is equipped with printed circuit and the phase displacement ranges from

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Generator of $0.360^\circ \dots$

$+4^\circ$ to -5° . A better performance could not be achieved due to the lack of instruments for regulating the phase relation on the emitters of transistors T3, T4, T5 and T6. There are 3 tables, 12 figures and 3 non-Soviet bloc references. The references to the English-language publications read as follows: Chance, Hughes, Mac Nichol, Sayre, Williams: Waveforms, book 19 of the MIT series; Blackburn: Components Handbook, book 17 of the MIT series; Landee, Davis, Albrecht: Electronic designers handbook.

SUBMITTED: September 7, 1961.

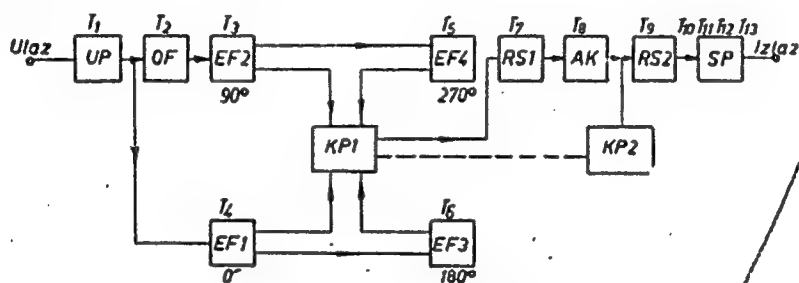


Fig. 7

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503-512 '64.

1. Geologic Institute of the Geological Committee. Submitted
June 19, 1964.

VIJDEA, Vasile; VIJDEA, Eleonora; ZUGRAVESCU, Dorci

The Capidava-Ovidiu tectonic line in the geoelectric shaping
by the resistivity method. Studii cerc geol geof geogr 9 no.2:
503-512 '64.

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1954, Beograd, Yugoslavia)

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Greater care in the preparation and carrying out of the plan of technical and organizational provisions : p.314. (Textil, Praha, Vol. 9, no. 10, Oct. 1954)

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Report on the functioning of the activities of the District G. district of the
Economy in Hradec Kralove. 1.3. (Ochrana Prirody. Praha. Vol. 9, no. 10, Dec. 1954)

SC: Monthly List of ^{East} European Accession (MMA), 10, Vol. 4, no. 6,
June 1954, Ucl.

S/194/62/000/007/084/160
D295/D308

AUTHOR: Vik, Miloš

TITLE: Slit-type camera device for X-ray equipment

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika,
no. 7, 1962, abstract 7-5-32 (Czech. pat. cl. 30 a,
6/06, no. 97957, Jan. 15, 1961)

TEXT: It is proposed to improve the quality of X-ray photographs by eliminating scattered radiation using two diaphragms, the first of which is placed between the source and the irradiated body and the second between that and the film. The first diaphragm cuts a flat beam out of the radiation flow of the source, which then passes through the object investigated and is registered on the film. The second diaphragm is placed between the object and the film in such a manner that it does not further restrict the beam but protects the film to a certain extent from scattered radiation. During operation, both diaphragms (which are connected by an arm) are rotated about an axis passing through the source of radiation, so that the whole object is eventually irradiated. The resulting inten-
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Slit-type camera device for X-ray

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D295/D308

sity of scattered radiation is proportional solely to the cross-section of the flat beam. The relative decrease of useful exposure due to limitation of the beam must be compensated by a corresponding increase of intensity of the source, but neither the object nor the operator are subject to this radiation. The radiation of most X-ray apparatus pulsates at the mains frequency and, to avoid nonuniform blackening of the film due to the stroboscopic effect, both the slit width for a given photograph format and the exposure, must be determined. [Abstracter's note: Complete translation.] ✓

Card 2/2

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p. 467. CESKOSLOVENSKY HORNÍK. (Ministerstvo paliv a Svaz zaměstnanců
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SOURCE: East European Accessions List, Vol.5, no. 9, September 1956

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LITVIN, A.M.; VUKALOVICH, M.P., prof.; retsenzent; KVASNIKOV, A.V.,
prof., retsenzent; RUBINSHTEYN, Ya.M., prof., red.; SEREBRYAN-
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Local penicillin therapy of early mastitis. Akush. gin. no. 1:
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Diagnostic puncture of the posterior vaginal fornix in ectopic pregnancy. Sov.med. 19 no.4:82-83 Ap '55. (MLRA 8:6)

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